



**STATE OF TENNESSEE  
DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
COOKEVILLE ENVIRONMENTAL FIELD OFFICE**

DIVISION OF WATER POLLUTION CONTROL  
1221 SOUTH WILLOW AVENUE  
COOKEVILLE, TN 38506

PHONE 931-432-4015

STATEWIDE 1-888-891-8332

FAX 931-432-6952

January 27, 2011

The Honorable James Y. Carter  
Mayor, City of Lafayette  
P.O. Box 275  
Lafayette, TN 37083

**CERTIFIED MAIL**

**Return Receipt Requested**

**Receipt # 91 7108 2133 3937 2214 9496**

**Re: Compliance Evaluation Inspection  
City of Lafayette Water Treatment Plant  
NPDES # TN0078280 – Permit Expires June 30, 2015  
Receiving Waters: Spring Creek, Macon County, TN**

Dear Mayor Carter:

On January 24, 2011, personnel from the Tennessee Division of Water Pollution Control conducted a Compliance Evaluation Inspection (CEI) at the City of Lafayette Water Treatment Plant (WTP). The purpose of the inspection was to evaluate compliance with the general NPDES permit for WTP filter backwash and sedimentation basin discharge. The current general NPDES permit coverage became effective on August 24, 2010, and will expire on June 30, 2015.

**Facility Review**

The facility and grounds are well-maintained. The backwash filter system with discharge to sedimentation basins was operational at the time of the inspection. The water in the basins and at the discharge point was clear. Maintenance of the basin's spillway is recommended in the near future as some minor erosion and scouring at that location was noted during the visit. Public notification signs at the outfall to the receiving stream were properly oriented and contained the required information.

**Laboratory and Records**

The laboratory and associated equipment and instruments were very clean and well-organized. Lab standards and solutions were not expired. Records of sample collection, sample analysis and equipment calibration and maintenance were readily available and were found to be in good order. Recorded data on file at the facility was found to be consistent with data submitted to the Division. Samples of discharge water are being analyzed monthly at the facility for *total suspended solids*, *settleable solids*, *pH*, and *total residual chlorine*. Sample analyses for *aluminum* and *iron* are being conducted by an approved private laboratory. The requirement to test the discharge water for iron is a new requirement added to the permit when it was re-issued on August 24, 2010. The results of all analyses for iron thus far indicate that the iron concentration in the discharge water is below detection limits. Additionally, the results of the analyses for all parameters indicate that the WTP is consistently meeting the effluent concentration limits contained in the general NPDES permit.

I would like to thank the WTP operators, Mr. Dean Ellis and Mr. Chris Meador, for their time and courtesy during the inspection. If you have any questions, I can be reached at (931) 432-7642 or via e-mail at *Martin.Smith@tn.gov*.

Sincerely,

A handwritten signature in blue ink that reads "Martin Smith". The signature is written in a cursive style with a large "M" and "S".

Martin Smith  
Division of Water Pollution Control  
Cookeville Environmental Field Office

CC: Mr. Patrick Parker, WPC Nashville Central Office, Enforcement & Compliance Mgr (*via e-mail*)  
Mr. Rob Howard, WPC Cookeville EFO, Program Manager (*via e-mail*)  
Mr. Johnny Walker, DWS Cookeville EFO, Program Manager (*via e-mail*)  
WPC EFO File (Macon Co.)

Enclosure: EPA 3560 Form